

Curriculum Vitae

Personal information:

Full name: Zeineb Mohammed Klai

Date /Place of birth: 13 August 1987 / Kairouan-Tunisa

Home Address: Faculty of Computing and Information Technology
Rafha.

Nationality: Tunisian

Marital Status: Married, have two children

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Education:

Year	Degree
2006	Mathematical license from Ibn Rachik School Of Kairouan – Tunisia
2009	Bachelor's degree from Higher Institute of Applied Mathematics and Computer Science Of Kairouan-Tunisia (ISMAIK).
2013	Master degree in mathematics from Higher Institute of Applied Mathematics and Computer

	Science of Kairouan -Tunisia (ISMAIK).
2014-present	PHD candidate in Mathematics at Manar university -ENIT
<u>Academic Experience</u>	
Duration	Institution
Rank	
2016 - Present	Northern Borders University, Rafha. KSA.
2013-2016	Ecole Nationale d'Ingénieurs de Tunis (ENIT), Tunis El-Manar University
Committee member	
2016 - Present	Member of Student Activities Committee at Faculty of Computing and Information Technology (FCIT), KSA
2016-2017	Member of ABET sub-committee at Faculty of Computing and Information Technology (FCIT), KSA
2018-2019	Member of Alumni committee at Faculty of Computing and Information Technology (FCIT), KSA
Certification	
<ul style="list-style-type: none"> • Culture Of Research And Quality Of Scientific Publishing Certificate • 2009-2010:Full-time training in Networking and Computer Science at Private Higher School Of Engineering And Technology, Tunis • 2010-2011:English courses at British council • 2016-2017:Certification of appreciation (Student Activity Committee) • 04/12/2018:Certification of appreciation (graduation projects) • 1438-1439-first semester: Certification of appreciation (Student Activity Committee) 	

- 1438-1439- second semester: Certification of appreciation (Student Activity Committee)
- 29/03/1439:aCertification of appreciation (Abet accreditation)
- 22/02/2017:Certificate of attendance (The culture of qualitative scientific research and dissemination and its importance to universities)

Software Skills

Gender	Name
Operating systems	Linux, Windows, Unix
Computer Languages High level	C, C++,Matlab , Pascal
Other Good knowledge	Latex , power point , Excel ,etc

Academic Positions:

- **Academic Positions: Full Time**

Oct 2016- Till Date

Northern Borders University

Rafha, Kingdom Of Saudi Arabia

Lecture for Computer Science Working As Full Time Faculty In Faculty Of Computing And Information Technology And Teaching Mathematics Courses Like : Linear Algebra , Discreet Structure , Calculus I , Calculus II, General statistics, Theory Of Probability , Applied Probability And Random Process , Applied Math For Computing .

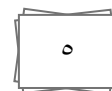
- **Current Member at SysCom Laboratory- ENIT**

Teaching Resume:

Teaching modules	Institution & Years	Abstract
General statistics	2016-2018	Basic statistical concepts and methods are presented in a manner that emphasizes understanding the principles of

		data collection and analysis rather than theory. Much of the course will be devoted to discussions of how statistics is commonly used in the real world
Theory Of Probability	2016-2018	This course covers the role of probability, discrete random variables and probability distributions, continuous random variables and probability distributions, joint probability distributions, random sampling and data description, point estimation of parameters, statistical intervals for a single sample, and tests of hypotheses for a single sample.
Applied Probability And Random Process	2016-2018	Review for descriptive statistics, estimation, and testing hypotheses. Simple linear regression. One way analysis of variance. Multiple regressions. Randomized block designs. Factorial experiments. Random and mixed effect models.
Linear Algebra	2016-2017	This course covers the following topics Systems of Linear Equations. Gauss-Jordan Elimination Method. Matrix Algebra. The Inverse of a Matrix. Determinants. Cramer's Rule. Vector Spaces and Subspaces. Euclidean Spaces. Linear Transformations. The Kernel and The Range of a Linear Transformation. Spanning Sets. Independent Sets. Bases. Dimension. Eigen values and Eigenvectors
Discrete Structure	2016-present	The primary goal of this course is to provide an introduction to discrete structures for computer

		science. Discrete structures are the study of the logical and algebraic relationships between discrete objects. The focus will be on logic and proofs, set theory, functions, relations, counting techniques, sequence, and graph theory.
Calculus I	2016-2018	This course is a first Calculus dealing mainly with differential calculus. After a discussion of few mathematical preliminaries, we introduce functions and models, limits and derivatives, differentiation rules, and finally applications of differentiation.
Calculus II	2016-present	This course is mainly dealing with integral calculus; We cover integrals, Applications of integrals, Techniques of integrations, and further applications of integration to the Sciences and Engineering.
Applied Math For Computing	2017-present	The course is intended to be suitable for students in a variety of disciplines who want to use computing to explore scientific problems. The focus will be on basic numerical methods for scientific and engineering problems, and MATLAB will be used as the primary environment for numerical computations. Topics include: overview of MATLAB's syntax, code structure and algorithms, basic numerical methods for linear systems and eigenvalue problems, interpolation and data fitting, Newton's method for nonlinear systems, numerical differentiation and integration, basic numerical methods for



		solving differential equations and applications.
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Recent Publications

- *The 3rd International Conference on Green Energy and Environmental Engineering (GEEE-2016)*. M. Ayari, Y. Touati, and Z. Klai « "On the Use of 2D Non-Uniform Fast Fourier Mode Transform technique for EM-Analysis of Printed Antennas».
Hammamet, Tunisia, April23-25, 2016.
- Z. Klai, T. Aguli and M. Ayari, "Mathematical formulation of the novel TWA Approach based on Wavelet Transform" In progress

Recent Professional Development Activities

- Mutual Coupling between Dipole Antenna and Bio-cell using TWA approach for Biomedical Applications.
- Development of New Numerical EM Method for Biomedical Applications.

Linguistic

- Arabic
- English
- French
- Germany